

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 9.2.3.c Examples to be Considered for Certification of Devices

C-A OPM Procedures in which this Attachment is used.
--

9.2.3		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved:                     *Signature on File*                                           
 Collider-Accelerator Department Chairman                      Date

J.W.Glenn

## **Examples to be Considered for Certification of Devices**

The following examples should be considered by the Chair of any safety committee for deciding if certification is needed. This is not an exhaustive list and Committee Chairs have the right to ask for certification on any device.

- Vacuum vessels under external pressure, whose product  $P \times V$  is greater than 515 psi-cubic-feet, where P is the maximum external differential pressure, and V is the volumetric capacity.
- Vacuum windows
- Pressure vessels above atmospheric pressure
- Vessels containing explosive or flammable gases or liquids
- Tanks or tankers used to contain hazardous materials
- Structures supporting heavy loads
- Primary beam targets where prior running experience is lacking either in/or type of material or intensity of beam
- Hydrogen targets
- Barriers, guards, or covers, installed for personnel safety
- Dewars and refrigerators for cryogenic liquids
- Spectrometer magnets
- Confined spaces
- Class III or Class IV laser installations
- Flow meters, temperature sensors, or other transducers used to alarm, interlock, or warn of a hazard on any of the above apparatus